BRUHAT BENGALURU MAHANAGARA PALIKE

Name of work: Construction of drain and Improvements to roads in Chikkabettahalli in Attur ward No.03 of Yelahanka Sattelite town sub division

Estimate Cost:Rs. 4500000.00

Sl No	Description of work	No	Dimensions L	B	D	Quantity	Rate	Unit	Amount
1	2	3	4	5	6	7	8	9	10
1	KSRB 2-2.2 Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications. Specification No KBS 2.1(b)/2.3.5 **(P-5, It,-2.4)**								
	Basic Rate	211.00							
	Area Weightage 8%	16.88							
	Total	**227.88**							
	for SSM drain	2	275.00	1.60	0.90	792.00			
	Culvert	2	5.80	1.60	0.90	16.70			
					Total	**808.70**	**227.88**	**Cum**	**184287.00**
2	KSRB 2-1.1:Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manualluy (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled and after breaking of clods and neatly dressed as per specification Specification No. KBS 2.1(a)/2.3.1 **(P-5 It.2.1)**								
	Basic Rate	117.00							
	Area Weightage 8%	9.36							
	Total	**126.36**							
	C.C Road	1	90.00	4.50	0.20	81.00			
					Total	**81.00**	**126.36**	**Cum**	**10235.00**
3	KSRB 4-1.3.Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregate @0.85 cum and fine aggregate @0.57 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick well compacted, in foundation and plinth, including cost of all materials, labour HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **(P-12, It.4.3)**								
	Basic Rate	3973.00							
	Area Weightage 8%	317.84							
	Total	**4290.84**							
	flagging bed								
	for SSM drain	2	275.00	1.60	0.15	132.00			
	C.C Road	1	90.00	4.50	0.15	60.75			
	Culvert	2	5.80	1.60	0.15	2.78			
					Total	**195.53**	**4290.84**	**Cum**	**839005.00**

4 *Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6 stone hammered dressed in courses not less than 20 cms high, bond stones at two m, apart in each course including cost of materials, labour, curing complete as per specifications* **(P-25, It5.6)**

	4	275.00	0.45	0.60	297.00		
				Total	**297.00**	**3484.22**	**Cum**	**1034813.00**

Basic Rate	3287.00
A.W. @ 6%	197.22
Total	**3484.22**

5 *Providing ruled pointing of coursed stone masonry with Cement mortar 1:3 20mm deep, after raking joints to depth of 20mm necely lining, including cost of materials, abour, HOM of machineres curing etc., complete as per specification and directions of the Engineer-in-charge* **(P-122, It.15.3)**

	4	275.00		0.60	660.00		
				Total	**660.00**	**78.44**	**Cum**	**51770.00**

Basic Rate	74.00
A.W. @ 6%	4.44
Total	**78.44**

6 *KSRB 4-1.6:Providing and laying in position plain cement concrete of mix M15 with cement @240kgs with 20mm and down size graded granite metal, coarse aggregate @0.878cum and fine aggregate @0.459 cummachine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.* **(P-12, It.4.6)**

Basic Rate:	4425.00
Area Weightage 8%	354.00
Total	**4779.00**

For coping

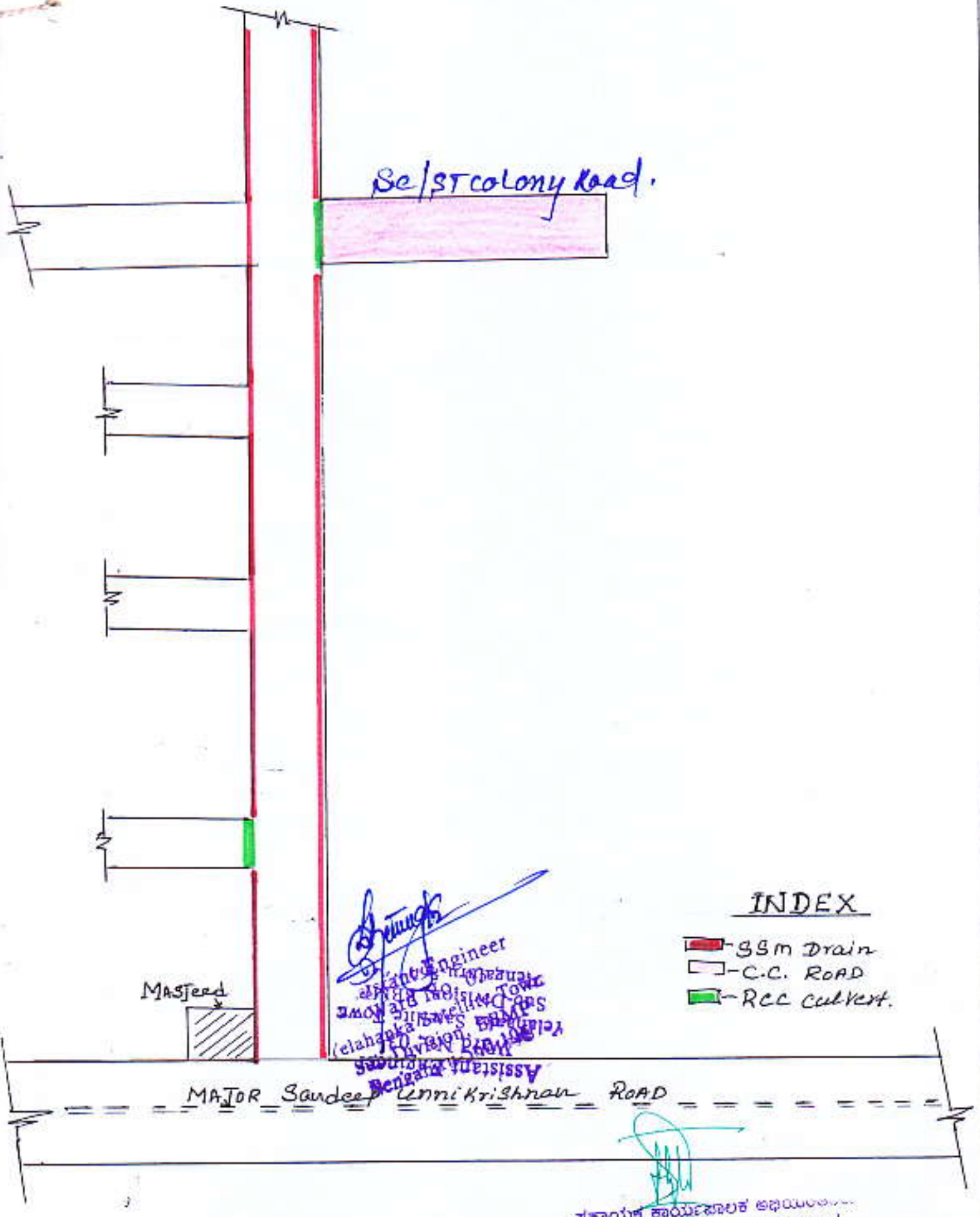
	4	275.00	0.45	0.10	49.50		
for vent	2	275.00	0.60	0.10	33.00		
				Total	**82.50**	**4779.00**	**Cum**	**394268.00**

7 *KSRB 4.2.2:Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @0.878 cum and fine aggregates @ 0.459 cum, with superplastisiser @ 3lts confirming to IS 9103-1999 Reaffirmed - 2008, machine mixed, concrete laid in layres not exceeding 15 cms. thick vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase,lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blacks, anchor blocks, plain window cills fillets etc, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No KBS 4.1, 4.6* **(P-13, It.4.11)**

Basic Rate	5222.00
Area Weightage 8%	417.76
Total	**5639.76**

culvert bottom slab	2	5.80	1.50	0.20	3.48
side wall	4	5.80	0.30	0.60	4.18
covering slab	2	5.80	1.50	0.23	4.00

	ramp	4	5.80	0.20	0.10	0.46		
						12.12	**5639.76**	**Cum**	**68365.00**
8	*KSRB 4.9-1 Providing T.M.T Steel reinforcement for RCC Work including straightening, cutting, bending hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wasstge shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No KBS 4.6.3* ***(TMT bars Fe 415 P-19, It.4.46)***								
	Basic Rate	5834.00							
	Area Weightage 8%	546.72							
	Total	**7380.72**							
	Qty @ 100kg per cum					12.12			
						Total	**12.12**	**7380.72**	**Qntl**	**89469.00**
9	*KSRB 4-6.4:Providing and removing centering, shuttering strutting proppoing etc, and removal of formwork for Vertical surface such as walls at any thickness including attached pilasters butresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2* ***(P-17, It.4.31)***								
	Basic Rate	251.00							
	Area Weightage 8%	20.08							
	Total	**271.08**							
	culvert side wall	8	5.80		0.60	27.84			
	covering slab	2	5.80	0.90		10.44			
		4	5.80		0.23	5.34			
		4	1.50		0.23	1.38			
						Total	**45.00**	**271.08**	**Sqm**	**12198.00**
10	*KSRB 4.2.2 Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC Works laid in 15 cms. thick layers and well compacted vibrating,curing, finishing with necessary cement mortar, with all lead and lifts, etc. complete (exclusive of cost of steel and fabrication charges)Ready mixed cement concrete M20 for raft foundation coloumn footing, main and secondary beams.* ***(P-19, It.4.48.1)***								
	Basic Rate	5986.00							
	Area Weightage 8%	478.88							
	Total	**6464.88**							
	Road	1	90.00	4.50	0.10	40.50			
						Total	**40.50**	**6464.88**	**Cum**	**261828.00**
11	*Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift* ***(P-187, It.22.7)***								
	Basic Rate	85.00							
	Area Weightage 8%	6.80							
	Total	**91.80**							
	Road	1	90.00	4.50		405.00			
						Total	**405.00**	**91.80**	**Sqm**	**37179.00**



Assistant Engineer

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